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10 KLT-based classified VQ for the speech signal*Moo Young Kim; Bastiaan Kleijn, W.;*

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11 Parallel granular neural networks for fast credit card fraud detection*Syeda, M.; Yan-Qing Zhang; Yi Pan;*

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12 ART-EMAP: A neural network architecture for object recognition by evidence accumulation*Carpenter, G.A.; Ross, W.D.;*

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13 A hybrid approach of neural network and memory-based learning to mining*Chung-Kwan Shin; Ui Tak Yun; Huy Kang Kim; Sang Chan Park;*

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 Maria R. Ebling , Bonnie E. John , M. Satyanarayanan
ACM Transactions on Computer-Human Interaction (TOCHI) March 2002
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Mobile computing has been an active area of research for the past decade, but its importance will increase substantially in the decade to come. One problem faced by designers of mobile systems is that of maintaining the illusion of connectivity even when network performance is poor or non-existent. The Coda file system uses its cache to maintain this illusion. Extensive experience with the system suggests that, although users find the functionality provided by the system extremely valuable, new ...

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 Mark Stefik
Communications of the ACM July 1985
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Strategic Computing, a 10-year initiative to build faster and more intelligent systems, is ambitious, flawed by overscheduling perhaps and problems of definition, but basically sound.

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 Peter J. Denning , David H. Brandin , Daniel C. Schwartz , George I. Davida
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 Andrei Mikheev
Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval July 2000

In this paper we present an approach to tackle three important problems of text normalization: sentence boundary disambiguation, disambiguation of capitalized words when they are used in positions where capitalization is expected, and identification of abbreviations. The main feature of our approach is that it uses a minimum of pre-built resources, instead dynamically inferring disambiguation clues from the entire document itself. This makes it domain independent, closely targeted to each ...


8 Data clustering: a review 77%

 A. K. Jain , M. N. Murty , P. J. Flynn
ACM Computing Surveys (CSUR) September 1999
Volume 31 Issue 3

Clustering is the unsupervised classification of patterns (observations, data items, or feature vectors) into groups (clusters). The clustering problem has been addressed in many contexts


and by researchers in many disciplines; this reflects its broad appeal and usefulness as one of the steps in exploratory data analysis. However, clustering is a difficult problem combinatorially, and differences in assumptions and contexts in different communities has made the transfer of useful generic co ...

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 Nadine Tschichold-Gürman

Proceedings of the 1994 ACM symposium on Applied computing April 1994

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 William W. Cohen , Yoram Singer

ACM Transactions on Information Systems (TOIS) April 1999

Volume 17 Issue 2


Two recently implemented machine-learning algorithms, RIPPER and sleeping-experts for phrases, are evaluated on a number of large text categorization problems. These algorithms both construct classifiers that allow the "context" of a word w to affect how (or even whether) the presence or absence of w will contribute to a classification. However, RIPPER and sleeping-experts differ radically in many other respects: ...

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 Pedro Domingos

Proceedings of the fifth ACM SIGKDD international conference on Knowledge discovery and data mining August 1999

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 Veda C. Storey , Roger H. L. Chiang , Debabrata Dey , Robert C. Goldstein , Shankar Sudaresan

ACM Transactions on Database Systems (TODS) December 1997

Volume 22 Issue 4


Automated database design systems embody knowledge about the database design process. However, their lack of knowledge about the domains for which databases are being developed significantly limits their usefulness. A methodology for acquiring and using general world knowledge about business for database design has been developed and implemented in a system called the Common Sense Business Reasoner, which acquires facts about application domains and organizes them into a hierarchical, con ...

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-	35	(5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:29
-	35	(5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:30
-	35	(5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:33
-	35	(5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:34
-	35	(5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:42
-	26	((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (train\$3 or learn\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:37
-	15	((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:37
-	13	((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:38
-	6	(((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:43
-	3	((((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)) and confiden\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:46

-	5	(((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)) and memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:47
-	0	(((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)) and memory) and allocat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:48
-	0	(((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)) and memory) and potential	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:48
-	4	(((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)) and memory) and assum\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:50
-	5	(((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)) and memory) and compar\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:51
-	4	(((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)) and memory) and compar\$5) and assum\$6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:51
-	4	((((((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)) and memory) and compar\$5) and assum\$6) and monitor\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 11:43
-	0	((((((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)) and memory) and compar\$5) and assum\$6) and monitor\$3) and example	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:51
-	3	((((((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn.) and (unclassif\$8 or classif\$8)) and (train\$3 or learn\$3)) and (predict\$3)) and memory) and compar\$5) and assum\$6) and monitor\$3) and multipl\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 10:52
-	1	vovk-volodya.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 11:53
-	1	gammerman-alex.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 11:53

-	0	10179649.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 11:54
-	3	179649.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 11:54
-	3702949	data classification apparatus and method thereof.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 17:12
-	0	data-classification-apparatus-and-method-thereof.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 17:11
-	10052	classification.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 17:13
-	0	data.ti. and classification.ti. and apparatus.ti. and method.ti. and thereof.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 17:13
-	382029	apparatus.ti. and method.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 17:13
-	271	classification.ti. and (apparatus.ti. and method.ti.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/04 17:14
-	35	(classification.ti. and (apparatus.ti. and method.ti.)) and data.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 11:00
-	3884	lagrange	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 11:00
-	1658	lagrange and multipl\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 11:01
-	277	(lagrange and multipl\$4) and (classif\$8 or unclassif\$8)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 11:03

-	133	((lagrange and multipl\$4) and (classif\$8 or unclassif\$8)) and (train\$3 or learn\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 11:05
-	91	((((lagrange and multipl\$4) and (classif\$8 or unclassif\$8)) and (train\$3 or learn\$3)) and recogni\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 11:05
-	6	(5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308").pn. and processor	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 13:14
-	34	(5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:43
-	37	(5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:43
-	15	((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:44
-	3	((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8) and comparat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:45
-	5	((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8) and monitor\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:45
-	7	((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8) and predict\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:55
-	6	((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8) and predict\$3) and memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:46
-	3	((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8) and predict\$3) and memory) and confiden\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:55
-	0	((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8) and predict\$3) and memory) and (data adj carrier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:56

-	0	((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8)) and predict\$3) and memory) and example	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:56
-	0	((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8)) and predict\$3) and memory) and assay	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:56
-	0	((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8)) and predict\$3) and memory) and strangeness	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:56
-	4	((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8)) and predict\$3) and memory) and assum\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:57
-	1	((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8)) and predict\$3) and memory) and potential	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 15:00
-	0	((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8)) and predict\$3) and memory) and allocat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 14:57
-	1	((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8)) and predict\$3) and memory) and potential) and Lagrange and multipl\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 15:01
-	1	Lagrange and multipl\$4 and ((((((5315313, 5398299, 5402521, 5444819, 5479573, 5559928, 5563983, 5577166, 5664062, 5785653, 5842194, 5845049, 5862304, 6161130, 6192360, 6327581, "6625308", "5640492").pn.) and (train\$3 or learn\$3) and (unclassif\$8 or classif\$8)) and predict\$3) and memory) and potential)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/05 15:01